



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ECL N G2 6 SEL35 UV FR 940 @500MA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] LLIA001735-006(s)

[TESTLAB] LightLab International Allentown, LLC

[ISSUE DATE] 6/6/2024

[MANUFAC] LumenFocus, LLC

[LUMCAT] ECL N G2 6 SEL35 UV FR 940

[LUMINAIRE] Surface or suspended mounted, formed white painted steel housing/reflector,

[MORE] translucent curved plastic enclosure.

[LAMPCAT] Three LS3872A 28 LED boards, 4000K

[BALLAST] One KTLD-35-UV-PS650-54-VDIM-LM1 LED driver set at 500mA

[OTHER] 120.0Vac, 60.00Hz

[OTHER] This test was performed using the absolute method of photometry.

[MORE] Lamp lumens value was set to -1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3360
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	158
Total Luminaire Watts	21.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	5.84 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8614	7673	7450
55	7496	6777	6598
65	6028	5689	5536
75	4410	4548	4338
85	2630	3686	3288

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Zone	Lumens	%Lamp	%Fixt
0-20	411.89	N.A.	12.30
0-30	875.83	N.A.	26.10
0-40	1433.95	N.A.	42.70
0-60	2513.22	N.A.	74.80
0-80	3131.2	N.A.	93.20
0-90	3251.66	N.A.	96.80
10-90	3145.26	N.A.	93.60
20-40	1022.06	N.A.	30.40
20-50	1594.86	N.A.	47.50
40-70	1459.92	N.A.	43.50
60-80	617.98	N.A.	18.40
70-80	237.33	N.A.	7.10
80-90	120.45	N.A.	3.60
90-110	80.92	N.A.	2.40
90-120	94.46	N.A.	2.80
90-130	101.62	N.A.	3.00
90-150	106.99	N.A.	3.20
90-180	107.93	N.A.	3.20
110-180	27.01	N.A.	0.80
0-180	3359.59	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.40
10-20	305.49
20-30	463.94
30-40	558.12
40-50	572.80
50-60	506.47
60-70	380.65
70-80	237.33
80-90	120.45
90-100	54.61
100-110	26.30
110-120	13.54
120-130	7.16
130-140	3.66
140-150	1.71
150-160	0.73
160-170	0.21
170-180	0.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	98	94	104	100	96	92	95	91	88	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58	56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	59	54	50	47
5	75	62	53	46	72	60	52	46	58	50	45	56	49	44	53	48	43	41
6	69	56	47	40	67	54	46	40	52	45	39	50	44	39	48	43	38	36
7	64	50	42	35	62	49	41	35	48	40	35	46	39	34	44	38	34	32
8	60	46	37	32	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27	25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25	23

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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	17.3	18.8	17.7	19.2	19.6	19.3	20.9	19.7	21.3	21.7
	3H	18.5	19.9	18.9	20.3	20.7	21.3	22.7	21.7	23.1	23.5
	4H	18.8	20.2	19.3	20.6	21.0	22.1	23.5	22.6	23.9	24.3
	6H	19.0	20.3	19.5	20.7	21.2	22.9	24.2	23.4	24.6	25.1
	8H	19.0	20.3	19.5	20.7	21.2	23.3	24.5	23.8	25.0	25.4
	12H	19.1	20.2	19.5	20.7	21.2	23.7	24.9	24.2	25.3	25.8

UGR Viewed Endwise

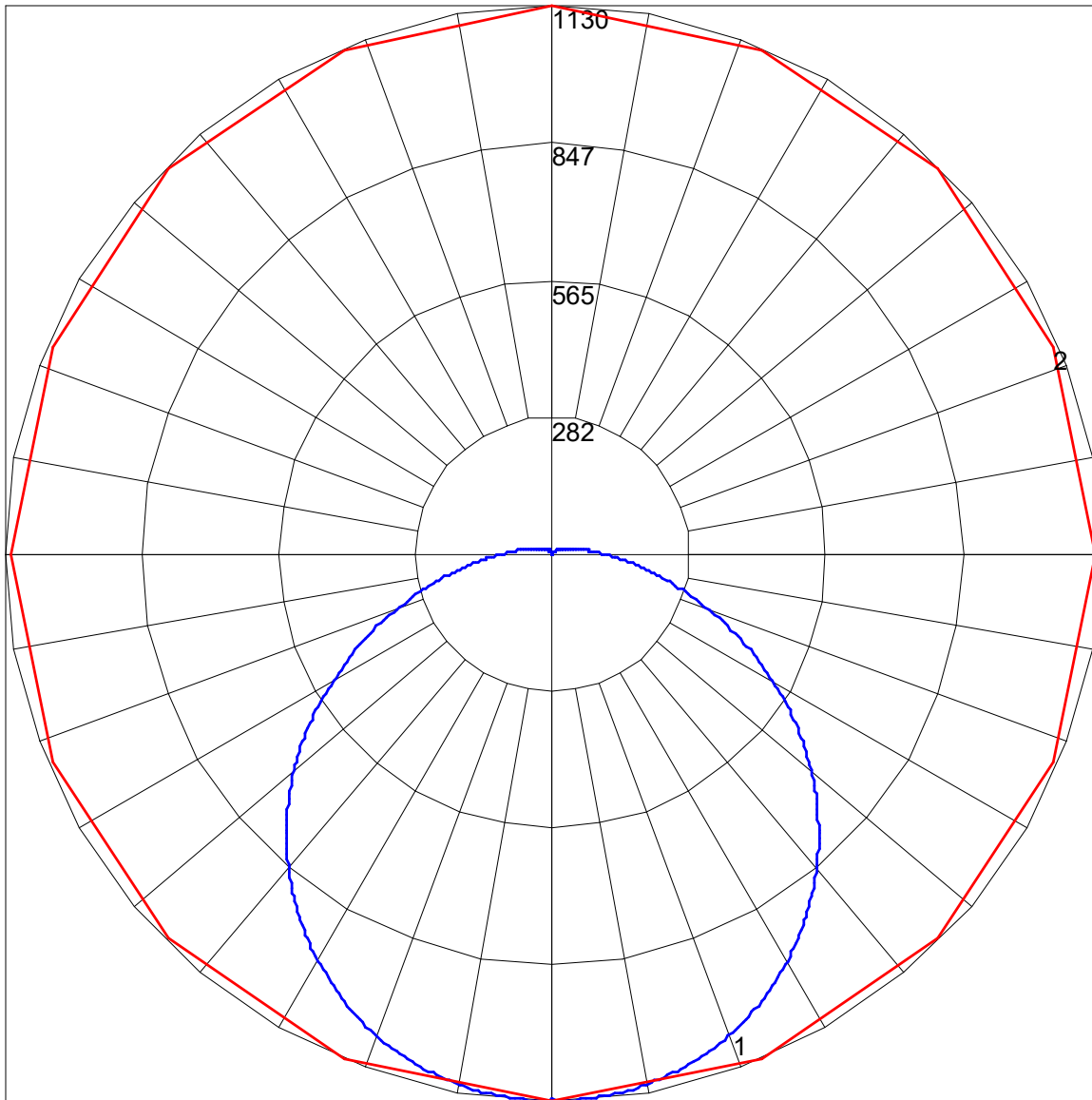
4H	2H	18.1	19.5	18.6	19.9	20.3	19.7	21.1	20.2	21.5	21.9
	3H	19.5	20.7	20.0	21.1	21.6	21.9	23.1	22.4	23.5	24.0
	4H	20.0	21.1	20.5	21.5	22.0	22.9	23.9	23.4	24.4	24.9
	6H	20.3	21.2	20.8	21.7	22.3	23.9	24.8	24.4	25.3	25.8
	8H	20.4	21.2	20.9	21.7	22.3	24.3	25.2	24.8	25.7	26.2
	12H	20.4	21.2	20.9	21.7	22.3	24.8	25.6	25.3	26.1	26.7

8H	4H	20.6	21.4	21.1	21.9	22.5	23.1	24.0	23.6	24.4	25.0
	6H	21.0	21.7	21.6	22.3	22.8	24.2	24.9	24.7	25.5	26.0
	8H	21.2	21.8	21.7	22.4	22.9	24.8	25.4	25.3	26.0	26.5
	12H	21.3	21.8	21.8	22.4	23.0	25.4	26.0	26.0	26.5	27.2

12H	4H	20.7	21.5	21.2	22.0	22.5	23.1	23.9	23.6	24.4	24.9
	6H	21.2	21.9	21.8	22.4	23.0	24.2	24.9	24.8	25.4	26.0
	8H	21.4	22.0	22.0	22.6	23.2	24.9	25.4	25.4	26.0	26.6

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1129.91 Located At Horizontal Angle = 90, Vertical Angle = .5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)